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United States Patent [19]

Lu

[11] **Patent Number:** 5,971,625[45] **Date of Patent:** *Oct. 26, 1999[54] **DOUBLE FERRULE SC CONNECTOR AND ADAPTER**[75] **Inventor:** Liang-Ju Lu, Eden Prairie, Minn.[73] **Assignee:** ADC Telecommunications, Inc.,
Minnetonka, Minn.[*] **Notice:** This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2)

This patent is subject to a terminal disclaimer.

[21] **Appl. No.:** 08/906,919[22] **Filed:** Aug. 6, 1997**Related U.S. Application Data**

[63] Continuation of application No. 08/720,764, Oct. 3, 1996, Pat. No. 5,692,080.

[51] **Int. Cl.⁶** G02B 6/38[52] **U.S. Cl.** 385/60; 385/72; 385/78;
385/55[58] **Field of Search** 385/60, 53, 55,
385/56, 59, 75, 72, 71, 78, 92[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57]

ABSTRACT

A fiber optic connector has two ferrules contained within a single connector housing with the ferrules positioned in parallel, spaced-apart alignment. The connector includes a first mating fastener exposed on exterior sides of the connector housing. A fiber optic adapter has an open end to slidably receive the connector housing. The adapter includes two parallel sleeves contained within the adapter housing and aligned with the ferrules of the connector. The adapter includes a second mating fastener exposed to an interior of the adapter housing to releasably mate with the first mating fastener when the connector housing is in the full insert position.

17 Claims, 10 Drawing Sheets